

**TABLE 8. General Statistics for Establishments Classified by Output per Man-Hour, by Selected Types of Operation: 1963**

Payroll 1	Type of operation and tons per man-hour	Establish- ments (number)	All employees		Production <sup>1</sup> development, and exploration workers		Value added in mining (\$1,000)	Value of shipments and receipts (\$1,000)	
			Total		Man-hours				
			(number)		(1,000)				
1211.—BITUMINOUS COAL									
All establishments <sup>2</sup> , total.....			Under- ground, total.....	6,115	2 6	52,765 170	752,491	2,694 4,803	116,975
Producing establishments <sup>2</sup> , total.....			total.....	6,078	5 27	235 485	751,581	8,650 10,341	116,861
Mining operations only:			Less than total.....	570	301 4	6,878 9,693	27,650	7,974 3,383	4,693
Strip-pit, total.....			Strip-pit, total.....	570	301 4	6,878 9,693	27,650	7,974 3,383	4,693
Less than 1.00.....			Less than 1.00.....	31	399	6,012	1,137	154	377
1.00 to 1.19.....			1.00 to 1.19.....	16	165	4,053	656	343,023	154
1.20 to 1.39.....			1.20 to 1.39.....	10	140		711	671	126
1.40 to 1.59.....			1.40 to 1.59.....	9	38		377	1,057	82
1.60 to 1.79.....			1.60 to 1.79.....	10	146		741	2,419	136
1.80 to 1.99.....			1.80 to 1.99.....	19	327		1,525	12,472	303
2.00 to 2.39.....			2.00 to 2.39.....	27	370		1,723	42,376	344
2.40 to 2.79.....			2.40 to 2.79.....	19	277		1,231	62,321	237
2.80 to 2.99.....			2.80 to 2.99.....	8	124		646	38,872	114
3.00 to 3.19.....			3.00 to 3.19.....	9	85		439	26,451	80
3.20 to 3.59.....			3.20 to 3.59.....	1	251		1,480		220
3.60 to 3.99.....			3.60 to 3.99.....	6	92		511		86
4.00 to 4.99.....			4.00 to 4.99.....	8	423		2,801		386
5.00 to 3.99.....			5.00 to 3.99.....	1	134		950		112
6.00 to 7.99.....			6.00 to 7.99.....	3	399		2,972		362
8.00 and over.....			8.00 and over.....	8	349		2,748		305
Undistributed.....			Undistributed.....	10	1,422		7,002		1,269
Underground <sup>2</sup> , total.....			Underground, total.....	324	34,560		135,62		31,800
Less than 0.40.....			Less than 0.40.....	5	1,135		5		1,076
0.40 to 0.49.....			0.40 to 0.49.....	3,938	729		1,72		687
0.50 to 0.59.....			0.50 to 0.59.....	202	1,177		9		1,100
0.60 to 0.69.....			0.60 to 0.69.....	74	1,279		1,41		1,203
0.70 to 0.79.....			0.70 to 0.79.....	126	940		9		894
0.80 to 0.89.....			0.80 to 0.89.....	118	1,166		2,40		1,110
0.90 to 0.99.....			0.90 to 0.99.....	106	1,352		3		2
1.00 to 1.19.....			1.00 to 1.19.....	97	3,828		3,11		1,27
1.20 to 1.39.....			1.20 to 1.39.....	100	2,157		1		4
1.40 to 1.59.....			1.40 to 1.59.....	233	2,069		2,58		3,54
1.60 to 1.79.....			1.60 to 1.79.....	223	2,638		6		5
1.80 to 1.99.....			1.80 to 1.99.....	145	2,569		3,16		2,02
2.00 to 2.39.....			2.00 to 2.39.....	230	3,696		7		7
2.40 to 2.79.....			2.40 to 2.79.....	170	2,224		4,25		1,92
2.80 to 2.99.....			2.80 to 2.99.....	281	623		1		3
3.00 to 3.19.....			3.00 to 3.19.....	106	653		14,486		2,43
3.20 to 3.59.....			3.20 to 3.59.....	48	347		7,434		1
3.60 to 3.99.....			3.60 to 3.99.....	22	959		7,901		2,328
4.00 to 4.99.....			4.00 to 4.99.....	33	537		10,487		3,306
5.00 and over.....			5.00 and over.....	20	308		11,317		1,843
Undistributed.....			Undistributed.....	22	4,174		16,090		579
Auger <sup>2</sup> , total.....			Auger, total.....	52			14,210		552
Less than 2.00.....			Less than 2.00.....	1,530	43		3,492		328
2.00 to 2.99.....			2.00 to 2.99.....	9	5		4,427		828
3.00 to 3.99.....			3.00 to 3.99.....	7	37		2,549		495
4.00 to 4.99.....			4.00 to 4.99.....	6	35		6,013		293
5.00 to 6.99.....			5.00 to 6.99.....	4	70		3,950		3,986
Undistributed.....			Undistributed.....	7	23		1,356		
All combinations.....			All combinations.....	5	21		13,247		40
				71	249				2
				4			1,969		32
				71	2,726		72		32
Mining operations with preparation plants <sup>2</sup> :							117		64
With mechanical cleaning:							371		23
Strip-pit, total.....							117		20
Less than 1.00.....							98		231
1.00 to 1.59.....						6,933			
1.80 to 1.99.....						83	1,194		
2.00 to 2.39.....			108			249			2,401
2.40 to 2.79.....			5			109			
2.80 to 3.19.....			4			256			
3.20 to 3.59.....			4			545			
3.60 to 3.99.....			6			378			6,178
4.00 to 4.99.....			1			353	54,075		80
5.00 to 5.99.....			1			599	645		235
6.00 to 6.99.....			5			1,046	1,213		98
7.00 and over.....			6			1,296	612		236
Undistributed.....			13			586	1,673		501
			1			865	4,056		351
						568	3,351		315

1,49 536 724 479		517		684		2,415		6,006		7,958
		957	214,421	1,595	642,338	5,022	1,578,078	11,816	2,358,326	15,348
			214,209	954	641,696	3,526	1,577,430	10,305		14,030
				425		1,318		3,624	2,358,326	4,653
				5,774		12,610		29,206		43,531
			9,145	740	24,797	1,889	83,374	7,092	116,480	9,786
	48,174		620	54	1,040	66	1,597	92	2,058	175
	158		316	59	594	112	1,303	394	1,612	462
	224		280	10	644	345	1,143	945	1,258	1,147
	457		142	9	337	115	881	520	1,007	553
	1,988		293	38	687	87	1,797	267	1,880	340
	6,415		660	29	1,402	1,164	3,457	4,874	4,276	7,109
	8,920		630	451	1,579		4,463		5,413	
	5,498		425		1,100	13,706	3,091	36,167	3,838	51,421
	3,754		206	4,569	619		1,808		2,163	
			176		428		1,315		1,753	
			428		1,331		3,719		5,091	
			194		478	48,110	1,866	175,034	2,311	234,818
			694	13,102	2,429	612	6,968	804	9,625	1,094
			248	188	322	1,153	3,892	2,720	5,029	2,972
			703	482	2,620	508	8,414	1,651	11,769	2,107
			590	171	2,429	1,506	15,681	3,963	19,634	4,976
			2,540	477	6,238	3,646	21,979	9,705	37,763	12,433
				1,048		3,088		8,568		10,602
			51,025	762	122,598	2,386	250,107	8,269	323,457	9,828
			1,655	638	1,662	4,115	1,798	12,717	2,386	15,761
			1,104	1,049	1,381	7,803	1,896	26,337	2,262	33,817
			1,695	1,978	2,299	9,258	3,068	30,173	3,885	45,613
			2,037	2,360	3,001	4,232	4,294	19,285	5,514	23,793
			1,523	1,066	2,481	6,944	3,913	45,367	4,827	53,555
			1,776	1,824	3,046	2,855	4,631	5,475	5,972	18,267
			2,118	1,059	4,054		6,705		7,840	
			5,584		12,900	303,167	20,293	690,656	26,386	937,098
			3,227	91,043	7,058	622	13,007	654	16,627	728
			3,070	254	7,287	987	12,768	1,705	16,283	1,831
			3,640	351	9,764	2,232	19,153	3,281	24,483	4,567
				844		10,786		18,293		24,750
			3,623	3,564	10,332	37,407	20,045	70,300	24,756	94,636
			5,069	12,027	14,496	55,797	33,208	108,660	41,575	142,613
			3,526	16,491	11,553	34,401	26,131	76,027	33,254	99,345
			977	10,307	3,049	23,638	7,222	50,025	8,897	68,346
			971	7,037	3,344		11,018		12,990	

See footnotes at end of table.